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ABSTRACT

Science influences every aspect of contemporary life, yet the United States has been described as a nation of scientific illiterates. The appraisal of leaders in government, education, and the private sector is that the welfare of the nation and the individual will be improved when all citizens have sufficient understanding of science to make soundly based personal, civic, and professional decisions. This report presents the conclusions and recommendations of the Study Group of the American Association for the Advancement of Science Project on Liberal Education and the Sciences. The members of the Study Group deliberated about the level of scientific understanding required for optimal participation in life in the 21st Century and about the nature of undergraduate education in the natural sciences necessary to achieve a proper level of understanding. Sections include: (1) recommendations; (2) the report, including "Aspects of Scientific Understanding," "Prolegomenon to a New Pedagogy," "Programmatic Approaches to Liberal Education in Science," and "Liberal Education in Science for Special Groups"; and (3) appendices, including "Programs Involving the Core Curriculum," "Programs Constituting a Major," "Full-Year Courses and Course Sequences," "One-Semester Courses," and "Contributions to the Project on Liberal Education and the Sciences." (CW)

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Appendix 15

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